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				1205	33
				DATE MAILED:	
	EX	AMINER INTERVI	EW SUMMARY RECO	ORD	
All participants (appl	icant, applicant's representativ	e, PTO personnel):			
(1) Lauren	ce Posorske	2	(3)		
Date of interview	Tuly 19,10	994			
Type: Telephon	ic Personal (copy is give	n to □applicant √2	applicant's representative	. 1	
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Exhibit shown or den	nonstration conducted: 🔲 Y	es No. If yes, br	ief description:		
Claims discussed:	all remaining	J _	sl, 67-71,	73-86,9	2-94
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Description of the ge	neral nature of what was agree	d to if an agreement wa	s reached, or any other co	mments: Claims	76,85 and 86 will
be anended	by examiner's am	indiment (See	attachment)	to move clea	rh defined the
Invention.	The consistiv	ng essentia		nology rel	. رسه (ر ر بلک
nature of	the enrichedo	is to provi	de ARA, DHA	and EPA	in the expressed
after the and (A fuller description	t closs waterchi constructions of , if necessary, and a copy of a no copy of the amendments of	$\Lambda(KA)DfA - C$ the amendments, if ava	ilable, which the examine	✔ er agreed would render	the claims allowable must be
NOT WAIVED AND	MUST INCLUDE THE SUBS	STANCE OF THE INT	ERVIEW (e.g., items $1-7$	on the reverse side of	E LAST OFFICE ACTION IS this form). If a response to the f the substance of the interview.
☐ It is not necess	sary for applicant to provide a	separate record of the s	ubstance of the interview.		
requirements t		t Office action, and sin			f the objections, rejections and orm is considered to fulfill the

PTOL-413 (REV. 1-84)

U.S. Serial No. 07/944,739 PENDING CLAIMS AS OF 6/22/94

(0311.46418)

- 67. (Twice Amended) A process for supplementing infant formula with DHA and ARA which comprises:
- (a) preparing an oil blend consisting essentially of a microbial oil enriched in DHA and a microbial oil enriched in ARA, wherein the DHA and ARA are in the form of triglycerides and the oils are blended to provide a ratio of about 2 to 12 parts ARA and about 1 to 5 parts DHA and the oil blend further provides an EPA:ARA ratio of about 1 part EPA to from about 5 to about 20 parts ARA, and
- (b) adding said oil blend to said infant formula in sufficient amounts that the amounts of DHA, ARA and EPA in said formula are comparable to the amounts of DHA, ARA and EPA in human breast milk.
- 2 68. A process in accordance with claim 67, wherein the ARA-containing oil comprises at least about 20% ARA.
- 3 69: A process in accordance with claim 67, wherein the DHA-containing oil comprises at least about 25% DHA.
- 4 70. A process in accordance with claim 67, wherein the DHA-containing oil and the ARA-containing oil are added to the infant formula to provide a ratio of ARA:DHA ranging from about 3:1 to about 2:1.

- 5 4
- 71. A process in accordance with claim 70, wherein the DHA-containing oil and the ARA-containing oil are added to the infant formula to provide a ratio of ARA:DHA of about 2:1.
 - 72. (Cancelled)
- 73. A process in accordance with claim 67, wherein said ARA-containing oil is obtained by a process comprising cultivating *Pythium insidiosum* or *Mortierella alpina* under conditions which will induce the production of an oil enriched in ARA.
- 7-74. A process in accordance with claim 67, wherein said DHA-containing oil is obtained by cultivating a DHA-producing species of *Crypthecodinium*.
- ARA which consists essentially of blending a triglyceride oil enriched in DHA and a triglyceride oil enriched in ARA, wherein the oils are blended to provide an ARA:DHA:EPA ratio of from about 5 parts ARA and 1 part DHA to about 20 parts ARA and 10 parts DHA to about 1 part EPA, and adding said blend to infant formula in amounts sufficient to provide the infant formula with DHA, ARA and EPA in amounts comparable to the amounts of DHA, ARA and EPA in human breast milk.
- 76. (Twice Amended) A process for supplementing infant formula with DHA and consists essentially of ARA which comprises:
- (a) obtaining a microbial oil enriched in DHA and blending it with a microbial oil enriched in ARA, wherein the DHA and ARA are in the form of triglycerides and the oils

are blended to provide a ratio of about 2 to 12 parts ARA and about 1 to 5 parts DHA and the oil blend is free of EPA, and

- (b) adding said oil blend to said infant formula in sufficient amounts that the amounts of DHA and ARA in said formula are comparable to the amounts of DHA and ARA in human breast milk.
- (Twice Amended) A composition consisting essentially of a blend of a microbial oil enriched in DHA and a microbial oil enriched in ARA, wherein said DHA and ARA are in the form of triglycerides and the oils are blended to provide an ARA:DHA:EPA ratio of from about 5 parts ARA and 1 part DHA to about 20 parts ARA and 10 parts DHA to about 1 part EPA.
- 1 78. A composition in accordance with claim 77, wherein the microbial oil enriched in DHA comprises at least about 25% DHA.
- in ARA comprises at least about 20% ARA.
- 13_80. (Twice Amended) A composition consisting essentially of a blend of a microbial oil enriched in DHA and a microbial oil enriched in ARA, wherein the oils are blended to provide a ratio of about 2 to 12 parts ARA and about 1 to 5 parts DHA.
- 81. A composition in accordance with claim 80, wherein the oils are blended to provide a ratio of ARA:DHA of about 2:1.

82. (Amended) A composition in accordance with claim-80, wherein the amount of EPA is about one twentieth or less the amount of ARA.

enriched in ARA was produced by cultivating *Pythium insidiosum* or *Mortierella alpina* under conditions which will induce the production of an oil enriched in ARA.

in DHA was produced by cultivating a DHA-producing species of *Crypthecodinium* under DHA-producing conditions.

- 285. A composition comprising a blend of triglyceride oils, wherein said blend consists essentially of comprises ARA, DHA and EPA in a ratio of about 20:10:1 to about 5:1:1.
 - ARA, and a microbial triglyceride oil enriched in DHA, wherein the voils are provided in amounts to provide a ratio of about 2 to 12 parts ARA and about 1 to 5 parts DHA and said oils further are free of EPA.
 - 2. (Amended) Infant formula comprising a blend of a microbial oil enriched in DHA and a microbial oil enriched in ARA, wherein the DHA and ARA are in the form of triglycerides and the oils are blended to provide a ratio of about 2 to 12 parts ARA and about 1 to 5 parts DHA, the amount of DHA-containing oil and the amount of ARA-containing oil are sufficient to provide amounts of ARA and DHA comparable to the amounts of DHA and ARA

in human breast milk and the formula further comprises EPA in a maximum amount of about one twentieth the amount of ARA.

enriched in DHA and an oil enriched in GLA, wherein the amount of the DHA-containing oil is sufficient to provide an amount of DHA comparable to the amount in human breast milk and the amount of the GLA-containing oil is sufficient to provide GLA in an amount that, upon administration of the formula to an infant, can be converted in the infant's body to an amount of ARA comparable to the amount of ARA obtainable from human breast milk.

and ARA are in the form of triglycerides, the oils are blended to provide a ratio of about 2 to 12 parts ARA and about 1 to 5 parts DHA, and the amount of DHA-containing oil and the amount of ARA-containing oil are sufficient to provide amounts comparable to the amounts of DHA and ARA in human breast milk, wherein said formula is free of EPA.